

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| S108  | 30   | ("5684309").PN. OR ("6608330").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ              | ON      | 2011/12/20<br>15:15 |
| S107  | 39   | S102 and S106   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/20<br>15:00 |
| S106  | 120  | ((well with (discontinuous or discontinuity)) and ((light adj2 emitting) or (LED))) and ((gallium nitride) or GaN))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/20<br>15:00 |
| S105  | 1    | ((well with (discontinuous or discontinuity)) and ((light adj2 emitting) or (LED))) and ((gallium nitride) or GaN)).dm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/20<br>15:00 |
| S104  | 81   | S102 and ((discontinuous or discontinuity) with well with layer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/20<br>14:57 |
| S103  | 16   | S102 and ((discontinuous or discontinuity) with well with thickness)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/20<br>14:51 |
| S102  | 5644 | (257/14,15,16,17,94,96,E33.008,E33.043).ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/20<br>14:51 |
| S101  | 14   | S98 and ((discontinuous or discontinuity) with well with thickness)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;                        | ADJ              | ON      | 2011/12/20<br>14:49 |

|      |      |   |  |     |    |                     |
|------|------|---|--|-----|----|---------------------|
|      |      |   | DERWENT;<br>IBM_TDB  |     |    |                     |
| S100 | 61   | S98 and ((discontinuous or discontinuity) with well with layer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/20<br>14:48 |
| S99  | 101  | S98 and ((discontinuous or discontinuity) with well)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/20<br>14:48 |
| S98  | 3802 | (257/14,15,16,17,101,E33.008,E33.043).ccls.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/20<br>14:47 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query   | DBs                         | Default Operator | Plurals | Time Stamp          |
|-------|------|--|-----------------------------|------------------|---------|---------------------|
| S116  | 6    | ("20030151044"   "20030160246"   "20050242364"   "20060157730"   "20060163605"   "6172382").PN. OR ("7482635").URPN.                             | US-PGPUB;<br>USPAT;         | ADJ              | ON      | 2011/12/20<br>15:32 |
| S115  | 20   | S109 and ((well with (thick\$3 or larg\$2) with (thin\$3 or small\$2)) and ((light adj2 emitting) or (LED)) and (GaN or (gallium nitride))).clm. | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2011/12/20<br>15:30 |
| S114  | 31   | S109 and ((well with (thick\$3 or larg\$2) with (thin\$3 or small\$2)) and ((light adj2 emitting) or (LED))).clm.                                | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2011/12/20<br>15:29 |
| S113  | 21   | S109 and ((layer with (discontinuous or discontinuity)) and ((light adj2 emitting) or (LED))).clm.   | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2011/12/20<br>15:26 |
| S112  | 3    | S109 and ((well with (discontinuous or discontinuity)) and ((light adj2 emitting) or (LED))).clm.  | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2011/12/20<br>15:02 |
| S111  | 1    | ((well with (discontinuous or discontinuity)) and ((light adj2 emitting) or (LED)) and ((gallium nitride) or GaN)).clm.                          | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2011/12/20<br>14:59 |
| S110  | 1    | S109 and ((well with (discontinuous or discontinuity)) and ((light adj2 emitting) or (LED)) and ((gallium nitride) or GaN)).clm.                 | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2011/12/20<br>14:59 |
| S109  | 5002 | (257/14,15,16,17,94,96,E33.008,E33.043).ccls.  | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2011/12/20<br>14:57 |

**2/ 9/ 2012 2:45:56 PM**

**C:\Users\rhuber\Documents\EAST\Workspaces\Case 10586909 LED w holes in active layers\EAST search 10586909.wsp**